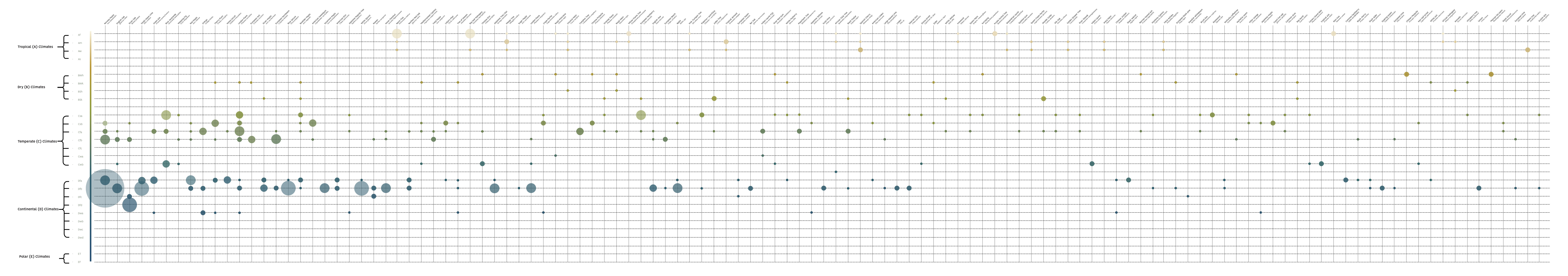
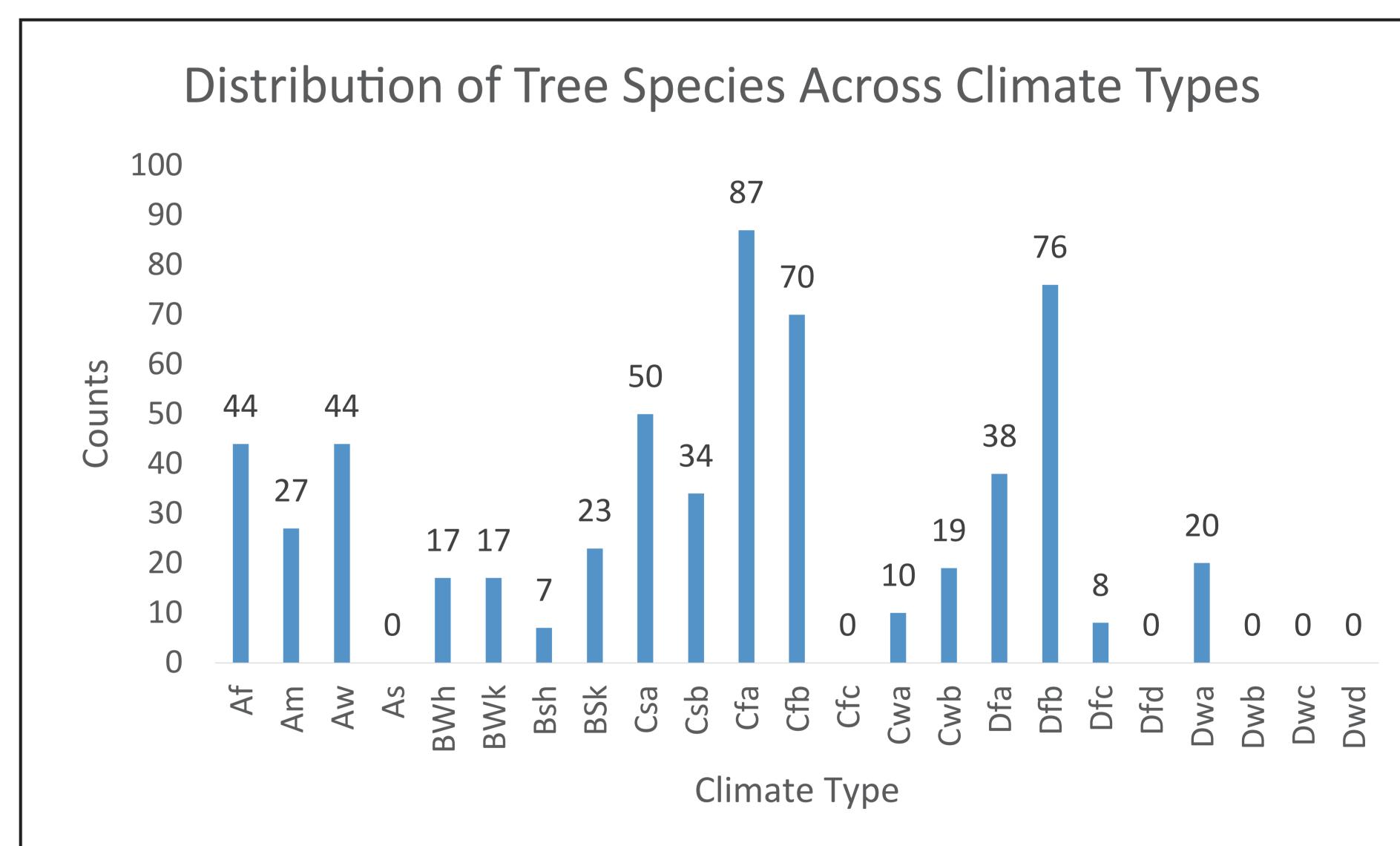
Tree species - Climatic Frequency Statistics Table

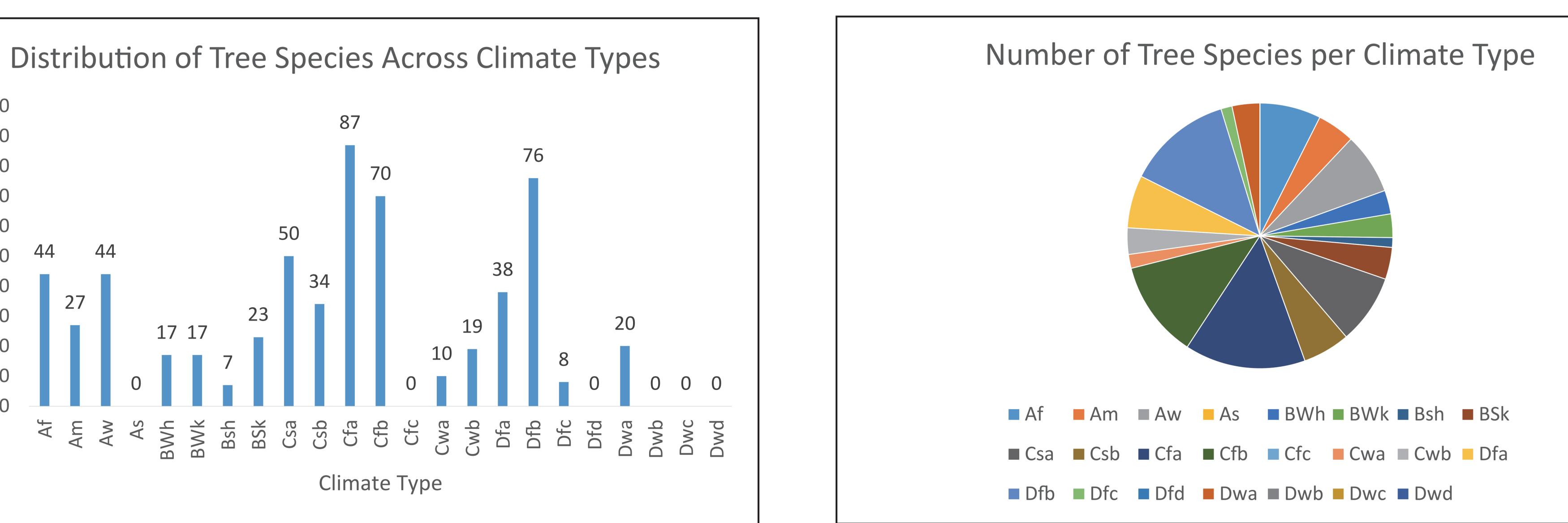
Tree Species Appear Multiple Times Table

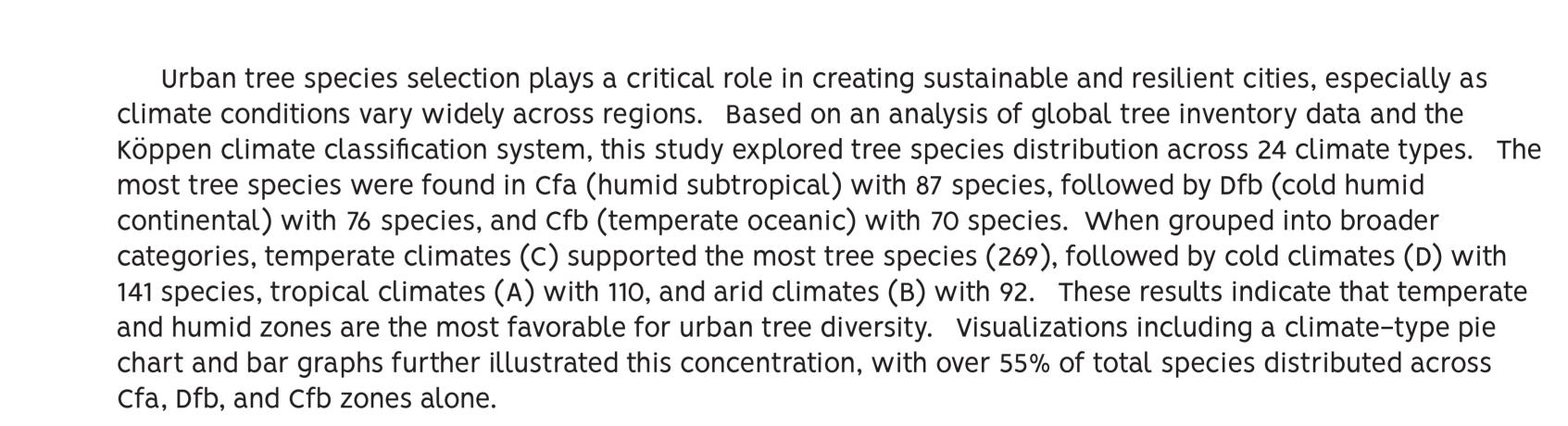


Tree Species Appear Once Table

Tropical (A) Climates				Dry (B) Climates					Temperate (C) Climates						Continental (D) Climates								Polar (E) Climates	
Δf	Am	Δναζ	Δς	BWh	BWk	BSh	BSk	■ Csa	Csb	Cfa	Cfb	Cfc	Cwa	• Cwb	Dfa	Dfb	Dfc	Dfd	Dwa	Dwb	Dwc	Dwd	ET	FF
Filicium decipiens	Pithecellobium dulce	Butea monosperma	-	Chilopsis linearis	Juglans regia L.	Musa spp.	Cedrus libani	Filicium decipiens	Sequoia sempervirens	Sabal palmetto	Grewia occidentalis	-	Washingtonea robust	Eucaliptus globulus	Quercus muehlenbergii	Syringa reticulata "Ivory Silk"	Populus trichocarpa	-	DWa Metasequoia glyptostroboides	DWD	DVVC	1	1	1
Elaeocarpus sphaericus	Tamarindus indica	Sclerocarya birrea	-	Acridocarpus orientalis	Quercus ithaburensis	Olneya tesota	Fraxinus oxycarpa	Agonis flexuosa	Quillaja saponaria	Carpinus betulus	Prunus avium	-	Celtis sinensls	Erythrina coralloides	Syringa vulgaris	Populus jackii	Larix decidus	-	Koelreuteria paniculata	-	-	-	- -	-
Sterculia apetala	Psidium guajava	Ficus benghalensis	_	Psidium guajava L.	Melia azedarach f. umbraculife	era Avicennia marina	Pyracantha coccinea	Platanus hispanica	Magnolia grandiflora	Myrica cerifera	Prunus avium	_	Bauhinia × blakeana	Eucaliptus camaldulensis	Ostrya virginiana	Cerasus avium	Larix decidua ssp.siberia	-	Machilus thunbergii	-	-	-	-	-
Syzygium grande V	Erythrina species	Ziziphus mauritiana	-	Acacia aroma	Olea europaea	Chitalpa tashkentensis	Spondias purpurea	Ficus elasca	Populus canadensis	Celtis tetrandra Roxb	Alectryon excelsus	-	Ficus virens	Eucalyptus botryoides	Quercus alba	Padus avium Mill	Salix caprea	-	Malus × micromalus	-	-	-	-	-
Ryostonia regia	Araucaria heterophylla	Lagerstroemia floribunda	-	Prosopis glandulosa	Melia azedarch	Cercidium praecox	Liriodendron tulipifer	Acacia xanthophloea	Acacia melanoxylon	Liquidambar formosana	Eucalyptus melliodora	-	Phoenix roebelenii	Cupressus lindley	Tsuga canadensis	Tilia tomentosa	-	-	typhnolobium japonicum	-	-	-	-	-
Adenanthera pavonina	Terminalia mantaly	Dalbergia melanoxylon	_	Casuarina cuninghamiana	Salvia fruticosa	Adonidio merrilli	Morus nigra	Erythrina caffra	Platanus hybrida	Ficus soatensis	Dacrydium cupressinum	-	Bombax malabaricum	Casuarina equisetifolia	Morus rubra	Pyrus communis L.	-	-	Prunus × yedoensis	-	-	-	-	-
Swietenia mahogani	Dipterocarpus alatus	Phoenix sylvestris	-	Geoffroea decorticans	-	-	Cupressus arizonica	Styrax japonicus	Crataegus cordata	Populus alba	Euclea undulata	-	Cassia surattensi	-	Rhamnus cathartica	Malus sargentii	-	-	Fraxinus velutina	-	-	-	-	-
Acacia holosericea	Chamaecyparis lawsoniana	Terminalia belerica	-	Nannorrhops ritchieana	-	-	Ailanthus glandulosa	Schinus terebinthifolius	Eucalyptus globules	Osmanthus fragrans	Sorbus aria	-	Aleurites moluccana	-	Acer x freemanii	Fraxinus nigra	-	-	Populus tomentosa	-	-	-	-	-
Bauhinia blakean	-	Acacia nilotica	-	Cassia javanica subsp.	-	-	Prunus communi	Koelreuteria paniculata Laxm	Pyrus spp.	Quercus virginiana	Tilia euchlora	-	-	-	Lonicera maackii	Larix sibirica	-	-	Chionanthus retusus	-	-	-	-	-
Albizia lebbeck	-	Carissa carandas	-	Schinus areira	-	-	Quercus pendiculata	Pinus halepensis	Acacia dealbata	Bombax ceiba	Sequoiadendron giganteum	-	-	-	Picea abies	Prunus padus	-	-	-	-	-	-	-	-
Ravenala madagascariensis	-	Pterocarpus rotundifolius	-	Ishingtonia robusta	-	-	Picea orientalis Carr.	Eucalyptus microcarpa	-	Callistemon viminalis	Crataegus monogyna	-	-	-	Pinus strobus	Robinia × ambigua	-	-	-	-	-	-	-	-
Bauhinia blakeana	-	Moringa oleifera	-	Zisiphus spina- christi	-	-	Eucalyptus obliqua	Citrus aurantium	-	Cephalanthus occidentalis	Quercus palustris	-	-	-	Cercis canadensis	Tilia parvifolia	-	-	-	-	-	-	-	-
Polyaltya longifolia	-	Lagerstroemia loudonii.	-	Bulnesia retama	-	-	-	Callistemon citrinus	-	Ficus religiosa	Pappea capensis	-	-	-	-	Tilia x floribunda	-	-	-	-	-	-	-	-
Syzygium polyanthum	-	Spirostachys africana	-	Vachellia farnesiana	-	-	-	Syzgium cordatum	-	Tilia begoniifolia	Eucalyptus blakelyi	-	-	-	-	Acer pseudoplanatus	-	-	-	-	-	-	-	-
Bucida buceras	-	bougainvillea spectabilis	-	Prosopis flexuosa	-	-	-	Quercus ilex	-	Taxodium distichum	Brachylaena ilicifolia	-	-	-	-	Cedrus atlantica	-	-	-	-	-	-	-	-
Adonidia merrillii	-	Combretum molle	-	Prosopis velutina	-	-	-	Eucalyptus rudis	-	Myrica rubra	Eucalyptus cinerea	-	-	-	-	Prunus virginiana	-	-	-	-	-	-	-	-
Bauhinia variegata	-	Diospyros melanoxylon	-	Salvadora persica	-	-	-	Citrus spp	-	Vitex lucens	Gymnosporia buxifolia	-	-	-	-	Malus domestica	-	-	-	-	-	-	-	-
Cerbera manghas L.	-	Acacia nigrescens	-	Pinus brutia var eldarica	-	-	-	Sophora spp	-	Celtis laevigata	Lafoensia acuminata	-	-	-	-	Prunus maackii	-	-	-	-	-	-	-	-
Adonia merrillii	-	Leucaena leucocephala	-	Washingtonia filifera	-	-	-	Pinus pinea	-	Pasania edulis	Acer freemani	-	-	-	-	Tilia × vulgaris	-	-	-	-	-	-	-	-
Fagraea fragrans	_	Tectona grandis	-	Prosopis cineraria	_	-	-	Acacia spp	-	Cupaniopsis anacardioides	Dodonaea viscosa	-	-	-	-				-					
Tabebuia pallida		Julbernardia globiflora	-	Vitex agnus-castus	-	-	-	Harpephyllum caffrum	-	Nyssa sylvatica var. biflora	Castanea sativa	-	-	-	-				-					
Polyalthia fragrans	-	Pterocarpus angolensis		Yucca guatemalensis Baker	-	-	-	-	-	Erythrina crista-galli		_	-	-	-				-					
_		Monoon longifolium		Parkinsonia microphylla				-		Elaeocarpus reticulatus			-						-					
-		Lagerstreomia parviflora						-		Pinus taeda			_						-					
-		Brachystegia boehmii						-					-						-					
_		swietenia mahagoni						-		Ceiba speciosa									-					
_		Acacia catechu Brachystegia spiciformis		Platycladus orientalis (L.)				-		Prunus vodoonsis / Prunus Jannasia									-					
_		Brachystegia spiciformis tabernaemontana divaricata						_		Prunus yedoensis / Prunus lannesia Diospyros texana	Prumnopitys ferruginea								-					
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-	-	-	-	-	-	-	-	-	-	Bischofia javanica									-					
-	-	-	-	_	-	-	-	-	-	Schinus terebinthifolia	Trifolium repens L.	-	-	-	-	-	-	-	-	-	-	-	-	-
_	_	_	_	_	-	-	-	-	-	Cinnamomum iaponicum	Searsia lucida	_	_	-	-	-	-	-	-	-	-	-	-	-







The analysis also identified the top 10 most climate-adaptable tree species, based on the number of distinct climate types each species appears in. Platanus acerifolia was the most adaptable, found in 8 climate types (e.g., Cfa, Cfb, Csa, Dfa, Dfb, Dwa), followed by Acer negundo and Prunus cerasifera, each found in 7 types. A frequency matrix further revealed the intensity of distribution, such as Acer platanoides occurring 12 times in Dfb and Prunus cerasifera appearing 6 times in Dfb and 3 times in Dfa. These findings were visualized through species-specific pie charts and heatmaps, showing both the breadth and preference of species across climates. This data-driven approach enables planners to match species to local climatic conditions with greater accuracy, enhancing urban forest resilience and biodiversity.

